

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (previously presented): A method for recording, onto a recording medium, at least first AV data and second AV data both of which constitute a scene to be reproduced by switching with each other in a same time-line,

the method comprising:

a first step of dividing the first AV data into first partial AV data in accordance with a predetermined rule, and of dividing the second AV data into second partial AV data in accordance with a predetermined rule;

a second step of recording, onto the recording medium, the first partial AV data and the second partial AV data by alternately disposing the first partial AV data and the second partial AV data, which are to be reproduced by switching with each other;

a third step of recording, onto the recording medium, file system management information for managing information for handling as different files the first AV data and the second AV data both recorded in the second step;

a fourth step of recording a first AV data management information file for managing the first AV data, and a second AV data management information file for managing the second AV data; and

a fifth step of recording, onto the recording medium, a program information file for associating the first AV data with the second AV data for handling as a single content the first AV data and the second AV data both recorded in the second step,

wherein:

the file system management information includes position information of the first partial AV data arranged in an order of reproducing the first partial AV data, and position information of the second partial AV data arranged in an order of reproducing the second partial AV data;

the program information file includes a filename of the first AV data management information file, a filename of the second AV data management information file, and a time stamp indicating a start time of the scene;

the first AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the first AV data; and

the second AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the second AV data.

Claims 2-7 (canceled)

Claim 8 (previously presented): An AV data recording apparatus for recording, onto a recording medium, at least first AV data and second AV data both of which constitute a scene to be reproduced by switching with each other in a same time-line,

the AV data recording apparatus comprising:

a first section for dividing the first AV data into first partial AV data in accordance with a predetermined rule, and for dividing the second AV data into second partial AV data based in accordance with a predetermined rule;

a second section for recording, onto the recording medium, the first partial AV data and the second partial AV data by alternately disposing the first partial AV data and the second partial AV data, which are to be reproduced by switching with each other;

a third section for recording, onto the recording medium, file system management information for managing information for handling as different files the first AV data and the second AV data both recorded by the second section;

a fourth section for recording a first AV data management information file for managing the first AV data, and a second AV data management information file for managing the second AV data; and

a fifth section for recording, onto the recording medium, a program information file for associating the first AV data with the second AV data for handling as a single content the first AV data and the second AV data both recorded by the second section,

wherein:

the file system management information includes position information of the first partial AV data arranged in an order of reproducing the first partial AV data, and position information of the second partial AV data arranged in an order of reproducing the second partial AV data;

the program information file includes a filename of the first AV data management information file, a filename of the second AV data management information file, and a time stamp indicating a start time of the scene;

the first AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the first AV data; and

the second AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the second AV data.

Claims 9-13 (canceled)

Claim 14 (currently amended): A non-transitory computer readable recording medium for storing a program for causing a computer to record onto a recording medium at least first AV data and second AV data both of which constitute a scene to be reproduced by switching with each other in a same time-line,

the program causing the computer to perform:

a first step of dividing the first AV data into first partial AV data in accordance with a predetermined rule, and of dividing the second AV data into second partial AV data in accordance with a predetermined rule;

a second step of recording, onto the recording medium, the first partial AV data and the second partial AV data by alternately disposing the first partial AV data and the second partial AV data, which are to be reproduced by switching with each other;

a third step of recording, onto the recording medium, file system management information for managing information for handling as different files the first AV data and the second AV data both recorded in the second step;

a fourth step of recording a first AV data management information file for managing the first AV data, and a second AV data management information file for managing the second AV data; and

a fifth step of recording, onto the recording medium, a program information file for associating the first AV data with the second AV data for handling as a single content the first AV data and the second AV data both recorded in the second step,

wherein:

the file system management information includes position information of the first partial AV data arranged in an order of reproducing the first partial AV data, and position information of the second partial AV data arranged in an order of reproducing the second partial AV data;

the program information file includes a filename of the first AV data management information file, a filename of the second AV data management information file, and a time stamp indicating a start time of the scene;

the first AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the first AV data; and

the second AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the second AV data.

Claims 15-21 (canceled)

Claim 22 (currently amended): A non-transitory data recording medium readable by an apparatus capable of playback of AV data, the medium storing at least first AV data and second AV data both of which constitute a scene to be reproduced by switching with each other in a same time-line,

wherein:

the first AV data and the second AV data are stored on the recording medium such that the first AV data is divided into first partial AV data having a predetermined interval, and the second AV data is divided into second partial AV data having a predetermined interval, and the first partial AV data and the second partial AV data, which are to be reproduced by switching with each other, are disposed alternately;

the recording medium further storing:

file system management information for handling as different files the first AV data and the second AV data;

a first AV data management information file for managing the first AV data;

a second AV data management information file for managing the second AV data; and

a program information file for associating the first AV data with the second AV data for handling as a single content the first AV data and the second AV data,

wherein:

the file system management information includes position information of the first partial AV data arranged in an order of reproducing the first partial AV data, and position information of the second partial AV data arranged in an order of reproducing the second partial AV data;

the program information file includes a filename of the first AV data management information file, a filename of the second AV data management information file, and a time stamp indicating a start time of the scene;

the first AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the first AV data; and

the second AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the second AV data.

Claim 23 (previously presented): An AV data reproducing method for reproducing AV data stored on a recording medium storing at least first AV data and second AV data both of which constitute a scene to be reproduced by switching with each other in a same time-line,

wherein:

the first AV data and the second AV data are stored on the recording medium such that the first AV data is divided into first partial AV data in accordance with a predetermined rule, and the second AV data is divided into second partial AV data in accordance with a predetermined rule, and the first partial AV data and the second partial AV data, which are to be reproduced by switching with each other, are disposed alternately;

the recording medium further storing:

file system management information for handling as different files the first AV data and the second AV data;

a first AV data management information file for managing the first AV data;

a second AV data management information file for managing the second AV data; and

a program information file for associating the first AV data with the second AV data for handling as a single content the first AV data and the second AV data,

wherein:

the file system management information includes position information of the first partial AV data arranged in an order of reproducing the first partial AV data, and position information of the second partial AV data arranged in an order of reproducing the second partial AV data;

the program information file includes a filename of the first AV data management information file, a filename of the second AV data management information file, and a time stamp indicating a start time of the scene;

the first AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the first AV data; and

the second AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the second AV data,

the method comprising:

a first step of acquiring the file system management information from the recording medium;

a second step of acquiring the program information file from the recording medium; and

a third step of acquiring the first AV data management information file and the second AV data management information file from the recording medium.

Claim 24 (previously presented): An AV data reproducing apparatus for reproducing AV data stored on a recording medium storing at least first AV data and second AV data both of which constitute a scene to be reproduced by switching with each other in a same time-line,

wherein:

the first AV data and the second AV data are stored on the recording medium such that the first AV data is divided into first partial AV data in accordance with a predetermined rule, and the second AV data is divided into second partial AV data in accordance with a predetermined rule, and the first partial AV data and the second partial AV data, which are to be reproduced by switching with each other, are disposed alternately;

the recording medium further storing:

file system management information for handling as different files the first AV data and the second AV data;

a first AV data management information file for managing the first AV data;

a second AV data management information file for managing the second AV data; and

a program information file for associating the first AV data with the second AV data for handling as a single content the first AV data and the second AV data,

wherein:

the file system management information includes position information of the first partial AV data arranged in an order of reproducing the first partial AV data, and position information of the second partial AV data arranged in an order of reproducing the second partial AV data;

the program information file includes a filename of the first AV data management information file, a filename of the second AV data management information file, and a time stamp indicating a start time of the scene;

the first AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the first AV data; and

the second AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the second AV data,

the apparatus comprising:

a first section for acquiring the file system management information from the recording medium;

a second section for acquiring the program information file from the recording medium;
and

a third section for acquiring the first AV data management information file and the second AV data management information file from the recording medium.

Claim 25 (currently amended): A non-transitory computer readable recording medium for storing a program for causing a computer to reproduce AV data stored on a recording medium storing at least first AV data and second AV data both of which constitute a scene to be reproduced by switching with each other in a same time-line,

wherein:

the first AV data and the second AV data are stored on the recording medium such that the first AV data is divided into first partial AV data in accordance with a predetermined rule, and the second AV data is divided into second partial AV data in accordance with a predetermined rule, and the first partial AV data and the second partial AV data, which are to be reproduced by switching with each other, are disposed alternately;

the recording medium further storing:

file system management information for handling as different files the first AV data and the second AV data;

a first AV data management information file for managing the first AV data;

a second AV data management information file for managing the second AV data; and

a program information file for associating the first AV data with the second AV data for handling as a single content the first AV data and the second AV data,

wherein:

the file system management information includes position information of the first partial AV data arranged in an order of reproducing the first partial AV data, and position information of the second partial AV data arranged in an order of reproducing the second partial AV data;

the program information file includes a filename of the first AV data management information file, a filename of the second AV data management information file, and a time stamp indicating a start time of the scene;

the first AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the first AV data; and

the second AV data management information file includes a time stamp indicating a start time of a respective video unit which is a constituent of the scene and can be an entry point for reproduction of the second AV data,

the program causing the computer to perform:

a first step of acquiring the file system management information from the recording medium;

a second step of acquiring the program information file from the recording medium; and

a third step of acquiring the first AV data management information file and the second AV data management information file from the recording medium.